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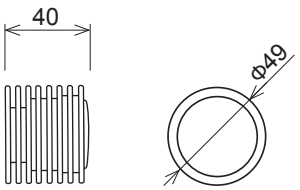
USER MANUAL

LL ARC POINT OneChip BASIC

LL39 500

COMPLIMENTS ON YOUR PURCHASE!

All dimensions are in milimeters



Following items are included:

- Fitting LL ARC POINT with 1,5m cable and 6pin LINE connector 1 pc.
- User manual 1 pc.

Additional items needed:

- LL ARC POINT SPLITTER – must be ordered separately!!!
- ARC DRIVER
- DC power supply 24V
- Controller compatible with DMX
- Mounting accessories as necessary

Surface mounting:

- Screws and washers M6

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ENVIRONMENT

Do not throw away the appliance with the normal household waste at the end of its life, but hand it in at an official collection point for recycling. By doing this, you help to preserve the environment.

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01 SAFETY INFORMATION

WARNING!!!
Carefully read before installing, powering or servicing.
Nothing to do if anything misunderstand! Installation can be done only by a qualified professional in accordance with relevant local codes.

01.1 Risk of eyes damage

- Do not look directly into LED lamps.
- Do not look into light beam from a distance of less than 40 cm (16 inches)!

01.2 Protection from electric shock

- Shut down power before installation or maintenance.
- Luminaries, Splitter, Driver and recommended power supply must be installed by a qualified professional in accordance with relevant local codes. Only acceptable source of power and frequency that complies with local building and electrical codes to use.
- Do not use or do not connect the products if the power cable, power plug or fixtures are any way damaged, wet, or if they are overheating.
- Do not modify, alter, or attempt to service the LeaderLight appliance. Doing so will void the warranty.
- Before removing or installing any cover or part of appliance disconnect from power.

Operation only with LL ARC SPLITTER and DC 24V source!
By using a high voltage AC power supply - danger of electric shock!

01.3 Fire prevention

- Follow all safety considerations.
- Device never shield – minimum distance around fitting must be 100mm (4 in.).
- LEDs never direct cover with filters or other materials.
- Allowing max. ambient temperature is 40°C (104°F).

02 PRODUCT SPECIFICATION

02.1 Technical Specification

Lamp type:	RGB 3x1W P5 *
Lifetime:	Long 50 000 hrs 70% degradation
Optic:	Standard 25°, on request: 10°, 40° and EL
Control data Input:	3 channels dimming with SPLITTER
Input power:	6 x LL ARC POINT RGB + LL SPLITTER RGB: max. 25W
Power connection:	24V DC 1,5m cable with 6pin LINE connector to SPLITTER
Net weight:	0,2 kg
IP:	IP43
Ambient temp. (Ta):	Maximum 40°C
Cooling:	Conventional
Materials and finish:	Housing: powder-painted anodized aluminium RAL9006 (other colours on request)
Installation:	Surface, suspended, recessed or in ground mounting

*P5: RGB-Red and Green and Blue

LL ARC POINT RGB SPLITTER

Input:	24V with 6pin Line connector
Output:	24V:6xOut with 6pin Line connector
Net weight:	0,2 kg
Dimensions LxWxH:	156mm x 68mm x 16mm
IP:	IP20
Ambient temp. (Ta):	Maximum 40°C
Cooling:	Conventional
Materials and finish:	Powder-painted anodized aluminium RAL9006 (other colours on request)
Installation:	Any position surface mounting

03 INSTALLATION

03.1 Unpacking

- Unpack carefully.
- This is electronic equipment and should be handled carefully.
- Damaged delivered package or if are any mechanical parts broken – it must be claim immediately by the transport company. Photo pictures as evidence are valuable for future claim.

03.2 Physical installation

- Loading capacity of bearing area has to be at least 10 times the weight of all device clusters (luminaries, clamps, cables, ...).
- Hairbreadth from combustible materials is 0,5m.

03.3 Electrical installation

- **To tackle all Safety Information- 01!**
- You can suffer a dangerous electric shock by using a high voltage AC/DC power supply - by touching the AC/DC power supply wires inside LL ARC POINT!
- LL ARC POINT must be operated only with LL ARC POINT SPLITTER.
- After installing the LL ARC DRIVER, which is connected to the device - MW power supply IN:100-260AC/ OUT: 24V you are ready to make the connections from fixtures to LL ARC SPLITTER.
- It is not necessary to open fixture before connecting to LL ARC SPLITTER.
- Pull the 6pin LINE cable connector from the fixtures to the LL ARC SPLITTER output.
- Wire the Brown, Red, White, Green, Black, Blue wires of each fixture into the connector terminals - see table „Wire colour to connector terminals“.
- LL ARC SPLITTER operate with LL ARC DRIVER.
- Connection ability - see pictures “Electrical Connections”.

WARNING!!!
LL ARC POINT OPERATE ONLY with LL ARC POINT SPLITTER!

04 MAINTENANCE

- **To tackle all Safety Information- 01!**
- Damage caused by inadequate cleaning or maintenance is not covered by warranty.
- Regular cleaning is demand (dust, dirt, ...).

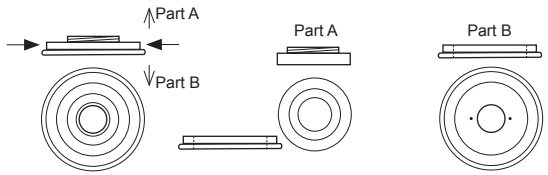
Maintenance policy:
- Unplug mains before maintenance and at least 10 minutes cool off
- Appliance do not illegal open or demount
- Clean-up dust only from outer surface (for ex. diffuser and lenses).
- Use vacuum or dumpy duster (warm water)
- Before reinstalling to check failure-free state – no wet parts!

Edition: A - 2010

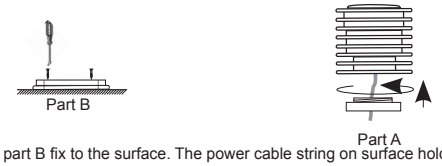
Installation

Mounting - surface, recessed, in ground or suspended is easy using various accessories as seen below:

1.1 Mounting on surface with surface holder



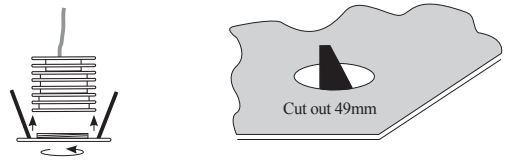
1.1.1 Unlock the screws on the surface holder LL41 200 and divide it into two parts.



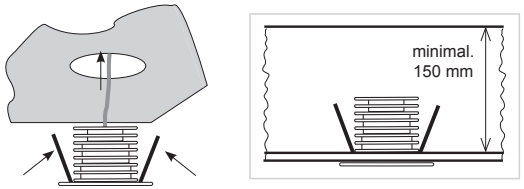
1.1.2 The part B fix to the surface. The power cable string on surface holder - part A. The surface holder - part A screw on the basic unit.

1.1.3 Connect the fixture to ARC SPLITTER and match part A on part B and fix with screws.

1.2 Recessed mounting with recessed holder



1.2.1 The recessed holder LL41 230screw on basic unit. Cut hole in suspended ceiling. The aloved thickness of ceiling material is max. 12mm.

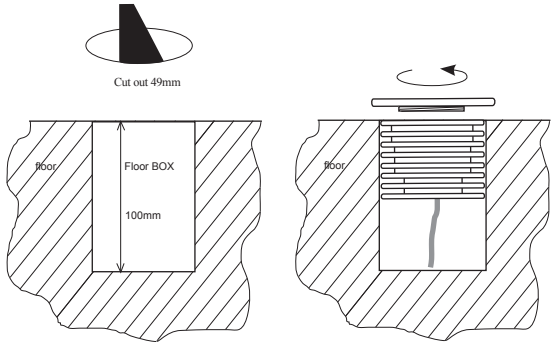


1.2.2 Connect the fixture to the ARC SPLITTER. Push the spring and insert the fixture into the hole.

1.3 Mounting on surface with bracket

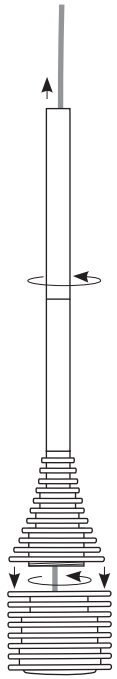
1.3.1 The power cable string on bracket. The bracket screw on the basic unit. Connect the fixture to ARC SPLITTER and fix the bracket with screws to the surface.

1.4 Mounting in floor with in ground box



1.4.1 The installation box insert in floor. Connect the basic unit to ARC SPLITTER and put the fixture in the box. Screw the front cover.

1.5 Suspended mounting with suspended holder

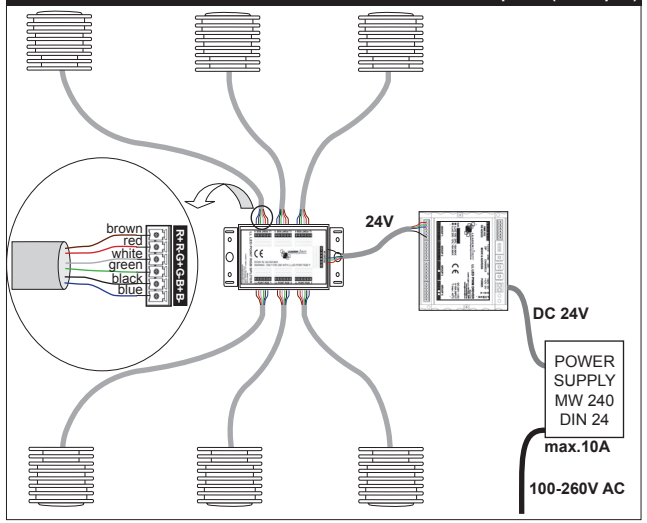


1.5.1 The power cable string on suspended holder. The suspended holder screw on the basic unit.

Mounting accessories

LL ARC POINT ELECTRICAL CONNECTIONS with SPLITTER

LL ARC POINT RGB SPLITTER connection with LL ARC POINT OneChip RGB (max. 6 pcs.)



Connection conditions:

- **Each SPLITTER Out to fitting must be connected**
- Maximal allowed current on SPLITTER Out is 3x0,35A
- Maximal distance from fixtures to driver is 50m (164 feet) dependence on cable diameter
- Never use more fittings as maximal allowed amound
- LL ARC POINT SPLITTER is calculated only fo r LL ARC POINT fixtures

Maximal allowed amound of fixtures per SPLITTER

LL ARC POINT RGB SPLITTER	
6 pcs.	LL ARC POINT OneChip RGB

Wire colour to connector terminals

RGB SPLITTER	
Connector terminal	**Wire colour**
R+	Brown
R-	Red
G+	White
G-	Green
B+	Black
B-	Blue

Order code	Product name	Current
LL39 500	LL ARC POINT BASIC OneChip RGB	3x0,35A
LL41 420	LL ARC SPLITTER RGB 6xOut	
Accessories:		
LL41 200	LL HOLDER ARC POINT SURFACE	
LL41 205	LL HOLDER ARC POINT SUSPENDED	
LL41 230	LL HOLDER ARC POINT RECESSED	
LL41 250	LL BOX ARC POINT IN GROUND	
LL41 300	LL BRACKET ARC POINT	

If you have any question please, contact support@leaderlight.sk